

AMENDMENTS TO SPECIFICATION

Page 2, lines 1-8:

The primary objective of the present invention is to play a video work published on Internet with a specific player and obtain a full visual effect of such video work, including colors, by entering a correct password into the player. If other players are used to play such work, only a partial gray-scale visual effect can be obtained. Users must request or buy a specific player and a password from the distributor of such video work to ~~play the~~ display the video work with complete chrominance information, and it thus can prevent piracy. In the meantime, those who have not bought a specific player or a password still can view the gray-scale part of the video work in order to accomplish the advertising effect.

Page 2, line 25 to Page 3, line 9:

This invention relates to a method of protecting copyright of a digital video work, which is a method using a digital password technology and a digital watermark technology to prevent unauthorized use of the digital video work of the MPEG-2 format. Such method adds password ~~into protection of the two color matrixes~~ chrominance arrays of such video work in advance, by a first password, so that when such work is published on the Internet, it can be played by a specified player. As long as a user enters ~~the a~~ correct second password identical to the first password into the specified player, a full color visual effect of such video work can be obtained. If other players are used to play such work, only a partial gray-scale visual effect can be obtained. Users must request or buy a specific player and a password from the distributor of such video work to ~~play~~ recover the complete chrominance information in order to prevent piracy. In the meantime, those who have not bought a specific player or a password still can view the gray-scale part of the video work in order to accomplish the advertising effect.

Page 6, lines 2-9:

After the valid password is obtained from the second step, this password and the two ~~color matrixes~~ chrominance arrays in the watermark figure obtained from the first step are used

to encrypt the figure to obtain the final figure. In such computation process, the grayscale ~~matrix~~ array of the figure will remain unchanged. There are many ways of adding a password protection in this procedure, and password designers can design on their own. In the design, the data with password added should not be too large, and the change of data correlation should be minimized to avoid the increase in volume of the following compressed result.

Page 6, lines 22-25:

The last step of the process of adding password protection is to compress the figure sequence obtained by Step 3 according to the MPEG-2 standard, and add the copyrighted data used in Step 2 into the user domain of the MPEG-2 video format. The video format of MPEG-2 is as follows:

Page 9, lines 1-3:

2. Producing a watermark figure: After the valid password is ~~obtain~~ obtained, carry out the reverse process of adding a password and watermark figure to obtain a good visual watermark figure.